

List of Plants

C PULEGONE

Chemid

PULEGONE

Dosage

LD50=150 (ipr mus)

LD50=3,090 mg/kg (der rbt) Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. *Herbal Medicine - A Guide for Health-care Professionals*. The Pharmaceutical Press, London. 296pp.

LD50=470 mg/kg (orl rat) Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. *Herbal Medicine - A Guide for Health-care Professionals*. The Pharmaceutical Press, London. 296pp.

*Unless otherwise noted all references are to Duke, James A. 1992. *Handbook of phytochemical constituents of GRAS herbs and other economic plants*. Boca Raton, FL: CRC Press.

Plant	Plant Part	Low PPM	High PPM	StdDev	*Reference
Acinos suaveolens	Shoot	--	690400.0	5.17	Jim Duke's personal files.
Acinos suaveolens	Essential Oil	--	332200.0	-0.25	Jim Duke's personal files.
Agastache urticifolia	Plant	--	1138.0	-0.51	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980</i> .
Agastache pallidiflora	Leaf	--	--		Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980</i> .
Agathosma betulina	Leaf	1650.0	2750.0	-0.33	*
Barosma betulina	Leaf	1650.0	2750.0	-0.33	*
Calamintha nepeta	Leaf	--	3360.0	-0.25	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. <i>The Essential Oils of Calamintha nepeta subsp. glandulosa and Ziziphora clinopodioides from Turkey</i> . <i>J. Ess. Oil Res.</i> , 3: 7-10.
Calamintha nepeta	Plant	--	2760.0	-0.33	<i>J. Ethnopharmacology</i> , 39: 167.
Capsicum annuum	Fruit	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Capsicum frutescens	Fruit	--	--		*
Dracocephalum thymiflora	Plant	--	280.0	-0.61	*
Ephedra sinica	Shoot	--	7.0	-0.27	*
Hedeoma pulegioides	Stem	0.5	3.8		*
Hedeoma pulegioides	Plant	3678.0	27600.0	2.41	*
Hedeoma pulegioides	Pollen Or Spore	--	823000.0		*
Hedeoma pulegioides	Leaf	17.0	50.0	-0.68	*
Hedeoma drummondii	Plant	5500.0	7240.0	0.16	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980</i> .
Hedeoma pulegioides	Essential Oil	--	--		*
Lycopus virginicus	Plant	10.0	24.0	-0.64	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980</i> .
Mentha longifolia	Shoot	--	26600.0	-0.06	*
Mentha aquatica	Shoot	--	--		Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. <i>A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components</i> . <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
Mentha pulegium	Essential Oil	300000.0	930000.0	1.33	*

<i>Mentha aquatica</i>	Shoot	--	0.1	-0.27	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha x rotundifolia</i>	Leaf	580.0	9720.0	0.57	*
<i>Mentha spicata</i>	Leaf	1.0	475.0	-0.62	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Mentha spicata</i>	Essential Oil	1000.0	19000.0	-1.08	*
<i>Mentha arvensis</i> var. <i>piperascens</i>	Plant	100.0	24960.0	2.12	*
<i>Mentha aquatica</i>	Shoot	--	--		Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha x piperita</i>	Leaf	3.0	4000.0	-0.17	*
<i>Mentha aquatica</i>	Leaf	54.0	153.0	-0.66	*
<i>Mentha pulegium</i>	Plant	520.0	18800.0	1.44	*
<i>Mentha aquatica</i>	Shoot	--	--		Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha pulegium</i>	Shoot	--	--		*
<i>Mentha aquatica</i>	Shoot	--	--		Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Micromeria fruticosa</i>	Shoot	--	14890.0	-0.15	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res.</i> 3: 477-479.
<i>Micromeria thymifolia</i>	Leaf	--	6355.0	0.14	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria congesta</i>	Leaf	975.0	1185.0	-0.53	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Shoot	--	14890.0	-0.15	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res.</i> 3: 477-479.
<i>Micromeria juliana</i>	Leaf	--	770.0	-0.58	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria myrtifolia</i>	Shoot	--	--	-0.27	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80.
<i>Micromeria fruticosa</i>	Leaf	13710.0	18780.0	1.74	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria dalmatica</i>	Leaf	--	625.0	-0.6	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria croatica</i>	Leaf	--	325.0	-0.64	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Minthostachys mollis</i>	Shoot	3.0	10.0	-0.27	Alkire, B.H., Tucker, A.O., and Maciarello, M.J. 1994. Tipo (<i>Minthostachys mollis</i> (Lamiaceae): An Ecuadorian Mint. <i>Econ. Bot.</i> 48(1): 60-64.
<i>Moldavica thymiflora</i>	Plant	--	280.0	-0.61	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda russeliana</i>	Plant	--	499.0	-0.58	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda didyma</i>	Plant	10.0	120.0	-0.63	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda punctata</i>	Plant	10.0	267.0	-0.61	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda clinopodia</i>	Plant	--	121.0	-0.63	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda fistulosa</i>	Plant	12.0	257.0	-0.61	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Nepeta racemosa</i>	Shoot	--	48.0	-0.27	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of <i>Nepeta racemosa</i> Lam. <i>J. Ess. Oil Res.</i> 5: 215-7.
<i>Nepeta cataria</i>	Plant	--	--		Williamson, E. M. and Evans, F. J. Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Nepeta racemosa</i>	Shoot	--	--	-0.27	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of <i>Nepeta racemosa</i> Lam. <i>J. Ess. Oil Res.</i> 5: 215-7.
<i>Panax quinquefolius</i>	Root Essent. Oil	--	260500.0		*

	Essent. Oil				the Volatile Constituents of <i>Perilla frutescens</i> and Its Synergistic Effects with Polygodial. <i>J. Agric. Food Chem.</i> , 40: 2328-2330.
<i>Pycnanthemum muticum</i>	Shoot	17980.0	40250.0	0.05	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum incanum</i>	Shoot	3366.0	10336.0	-0.19	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum beadlei</i>	Shoot	--	3577.0	-0.24	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum verticillatum</i>	Shoot	--	14595.0	-0.15	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum setosum</i>	Shoot	12740.0	19747.0	-0.11	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum montanum</i>	Shoot	518.0	840.0	-0.26	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum clinopodioides</i>	Shoot	105.0	5984.0	-0.22	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum albescens</i>	Shoot	24.0	14283.0	-0.16	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum torreyi</i>	Shoot	--	820.0	-0.26	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pycnanthemooides</i>	Shoot	23088.0	34336.0	0.0	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Flower	2574.0	28000.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum loomisii</i>	Shoot	33.0	84.0	-0.27	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum californicum</i>	Shoot	--	28836.0	-0.04	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum virginianum</i>	Shoot	102.0	19024.0	-0.12	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum tenuifolium</i>	Shoot	4.0	13440.0	-0.16	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pilosum</i>	Leaf	2574.0	28000.0	2.94	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ribes nigrum</i>	Bud	--	--		*
<i>Satureja glabella</i>	Plant	--	1550.0	-0.47	*
<i>Satureja parvifolia</i>	Shoot	--	180.0	-0.27	Zygadlo, J.A., Merino. E.F., Maestri, D.M., Guzman, C.A. and Espinar, L.A. 1993. The Essential Oils of <i>Satureja odora</i> and <i>Satureja parvifolia</i> from Argentina. <i>J. Ess. Oil Res.</i> 5: 549-51.
<i>Satureja cilicina</i>	Shoot	--	7.0	-0.27	Tumen, G. Baser, K.H.C. and Kirimer, N. 1993. The Essential Oil of <i>Satureja cilicina</i> P.H. Davis. <i>J. Ess. Oil Res.</i> 5: 547-548.
<i>Satureja douglasii</i>	Plant	1.0	6695.0	0.1	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Satureja odora</i>	Shoot	--	1050.0	-0.26	Zygadlo, J.A., Merino. E.F., Maestri, D.M., Guzman, C.A. and Espinar, L.A. 1993. The Essential Oils of <i>Satureja odora</i> and <i>Satureja parvifolia</i> from Argentina. <i>J. Ess. Oil Res.</i> 5: 549-51.
<i>Satureja grandiflora</i>	Shoot	--	1075.0	-0.26	Carnat, A., Chossegros, A., and Lamaison, J. 1991. The Essential Oil of <i>Satureja grandiflora</i> (L.) Scheele from France. <i>J. Ess. Oil Res.</i> , 3: 361-362
<i>Teucrium polium</i>	Plant	--	--		Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
<i>Vaccinium corymbosum</i>	Plant	--	--		*